	Application No.	Applicant(s)	
Notice of Allowability	10/077,258	MO ET AL.	
	Examiner	Art Unit	
	Yennhu B. Huynh	2813	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is s	n this application. If not include inication will be mailed in due	ed course. THIS
1. This communication is responsive to <u>12/20/04</u> .	·		
2. The allowed claim(s) is/are <u>9-14 and 16-18</u> .			
3. \boxtimes The drawings filed on <u>14 February 2002</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	ve been received. ve been received in Applicatio	on No	ition from the
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.		
5. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi	mitted. Note the attached EXA ves reason(s) why the oath o	AMINER'S AMENDMENT or N r declaration is deficient.	NOTICE OF
 6. CORRECTED DRAWINGS (as "replacement sheets") metalogo including changes required by the Notice of Draftspering 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examined Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in the department of the departm	rson's Patent Drawing Review r's Amendment / Comment o 1.84(c)) should be written on to the header according to 37 CF posit of BIOLOGICAL MAT	r in the Office action of the drawings in the front (not the R 1.121(d). ERIAL must be submitted.	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SE Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material) 6. ☐ Interview S Paper No. 3/08), 7. ☐ Examiner's	oformal Patent Application (PT ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for All CARL WHITEHEAD, SUPERVISORY PATENTE	owance JR. VAMINER

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DETAILED ACTION

This Office Action is response to the Applicant Amendment filed on 12/20/04.

Claims 1-8 are cancelled by the Preliminary Amendment filed on 2/14/02.

Claim 15 is cancelled by the Amendment filed on 12/20/04.

Information Disclosure Statement

The information disclosure statement filed on 8/5/02 is being considered by the examiner.

Oath/Declaration

Oath/Declaration filed on 2/14/02 is accepted.

Oath/Declaration

Oath/Declaration filed on 2/14/02 is accepted.

Claim Rejections - 35 USC § 103

Claims amended overcome rejections. Rejections withdrawn.

Reasons for Allowance

Claims 9-14 & 16-18 are allowable over prior art of record.

The following is an examiner's statement of reasons for allowance: Prior art of record does not suggest or disclose each and every features of a method of forming a

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trench FET, which includes the step of forming a gate dielectric layer inside the FET trench, wherein the gate dielectric comprising the SiN formed on the SiO layer and wherein the SiO layer is formed at about 1,100 C degrees, in order to reduce the oxide at the corner of the trench, as well as reduce the leakage current in the trench FET; in combination with the other limitations (claim 9); and forming a gate dielectric layer inside the trench, and forming a conductive gate material on the second layer of oxide, in combination with the other limitations (cl.14)

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

.Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yennhu B Huynh whose telephone number is 571-272-1692. The examiner can normally be reached on 8.30AM-7.00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr., can be reached on 571-272-1702. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-7724.

YNBH, 033105